

Arbovirus* Activity, Including West Nile Virus: Weekly Summary, Michigan 2018

**Arboviruses are viruses transmitted by mosquitoes or other insects*

As of August 29, 2018

109 

Mosquito pools testing positive for West Nile virus infection

69 

Birds testing positive for West Nile virus infection

16 

Human cases of West Nile virus or other arboviruses reported

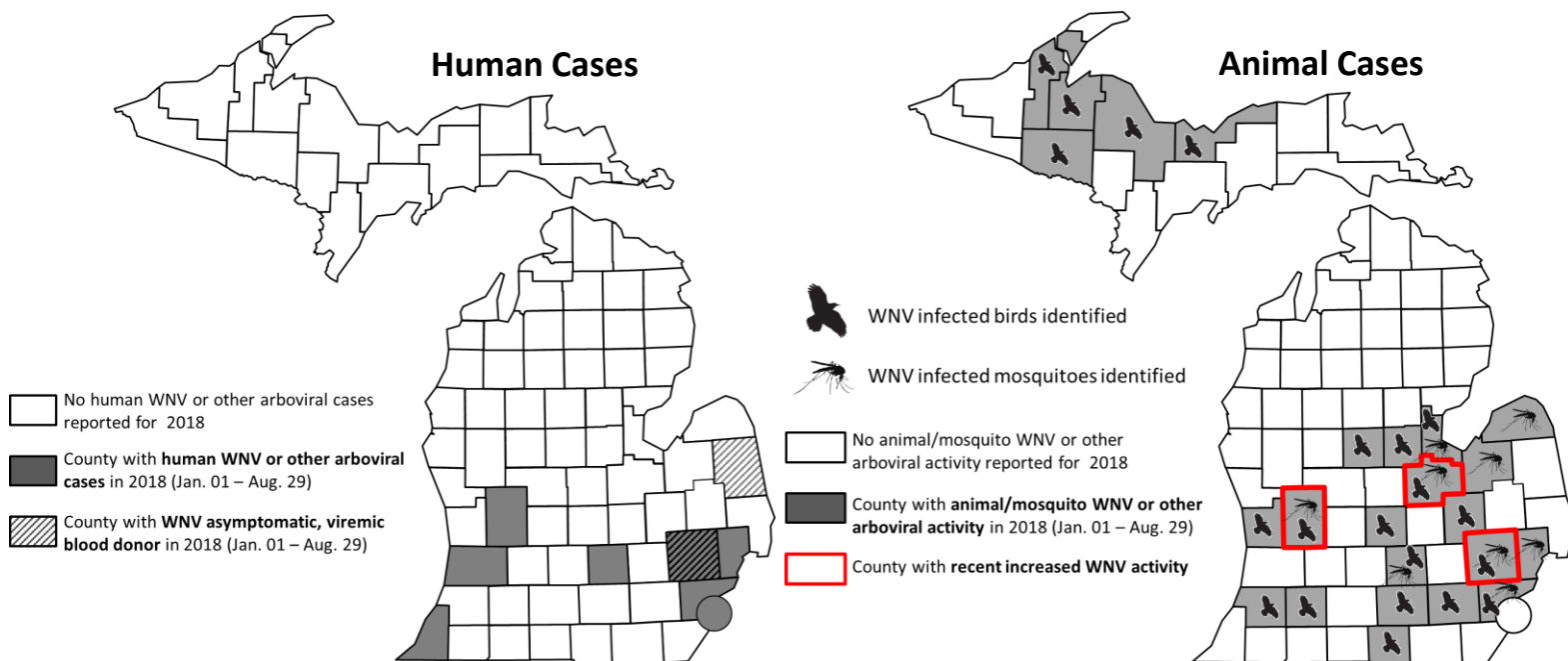
2018 Michigan Arbovirus Surveillance

(click links below to see cases by county)

Total West Nile virus Positive Mosquito Pools	109
Counties with WNV Positive Mosquitoes	9
Total Number of Mosquito Pools Tested	3,152
Total Number of Mosquitoes Tested	40,667
Human WNV cases reported	16
WNV asymptomatic, viremic blood donor	3
Equine WNV cases reported	0
Avian WNV cases reported	69

Current Highlights

- West Nile virus has been identified in sixteen Michigan residents, resulting in two fatalities
- Michigan has also reported its third human WNV infection for 2018, reported through blood donor screening
- Collections of the *Culex* mosquitoes that transmit WNV are currently very high
- There has been a recent increase in the number of WNV infected mosquitoes and birds reported
- August and September are the months of peak WNV activity in Michigan



For more information

www.michigan.gov/westnile



Preventing Mosquito Bites and Arboviruses:

Tips for Michigan Residents

The most effective way to avoid arboviruses is to prevent mosquito bites. Be aware of the West Nile virus and other arbovirus activity in your area and take action to protect yourself and your family.



Use Insect Repellent

Use Environmental Protection Agency (EPA)-registered insect repellents with one of the active ingredients below. When used as directed, EPA-registered insect repellents are proven safe and effective, even for pregnant and breastfeeding women.

- DEET
- Picaridin
- IR3535
- Oil of lemon eucalyptus (OLE) or para menthane-diol (PMD)
- 2-undecanone

Find the insect repellent that's right for you by using [EPA's search tool](#)



Tips for Babies & Children

- Always follow instructions when applying insect repellent to children.
- Do not use insect repellent on babies younger than 2 months old.
- Do not apply insect repellent onto a child's hands, eyes, mouth, and cut or irritated skin.
 - Adults: Spray insect repellent onto your hands and then apply to a child's face.
- Do not use products containing oil of lemon eucalyptus (OLE) or para-menthane-diol (PMD) on children under 3 years old.



Take steps to control mosquitoes inside and outside your home

- Use screens on windows and doors. Repair holes in screens to keep mosquitoes outside.
- Once a week, eliminate potential breeding areas for mosquitoes. Check inside and outside your home. Mosquitoes lay eggs on or near water:
 - Discard old tires, tin cans, ceramic pots or other containers that can hold water
 - Repair failed septic systems
 - Drill holes in the bottom of recycling containers left outdoors
 - Keep grass cut short and shrubbery trimmed
 - Clean clogged roof gutters, particularly if leaves tend to plug up the drains
 - Frequently replace the water in pet bowls
 - Flush ornamental fountains and birdbaths periodically; aerate ornamental pools, or stock them with predatory fish.

For Up-to-Date Information Visit Michigan's Emerging Diseases Website

www.michigan.gov/westnile

or the Centers for Disease Control and Prevention Website

www.cdc.gov/westnile